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Patent

Attorney's Docket No. 022701-879

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Michel COSTANTINI et al.

Application No.: 09/623,414

Filed: November 8, 2000

For: METHOD FOR SEPARATING AND  
PURIFYING ADIPIC ACID

) **BOX RCE**  
)  
) Group Art Unit: 1623  
)  
) Examiner: Chaudhry, M.  
)  
)  
)  
)

**AMENDMENT/REPLY TRANSMITTAL LETTER**

Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

Enclosed is a reply for the above-identified patent application.

- ☐ A Petition for Extension of Time is also enclosed.
- ☐ A Terminal Disclaimer and a check for ☐ \$55.00 (248) ☐ \$110.00 (148) to cover the requisite Government fee are also enclosed.
- ☒ Also enclosed is a copy of GB Patent 1 576 297
- ☐ Small entity status is hereby claimed.
- ☒ Applicant(s) request continued examination under 37 C.F.R. § 1.114 and enclose the ☐ \$370.00 (279) ☒ \$740.00 (179) fee due under 37 C.F.R. § 1.17(e).
- ☐ Applicant(s) previously submitted \_\_, on \_\_, for which continued examination is requested.
- ☐ Applicant(s) request suspension of action by the Office until at least \_\_, which does not exceed three months from the filing of this RCE, in accordance with 37 C.F.R. § 1.103(c). The required fee under 37 C.F.R. § 1.17(i) is enclosed.
- ☐ A Request for Entry and Consideration of Submission under 37 C.F.R. § 1.129(a) (146/246) is also enclosed.
- ☐ No additional claim fee is required.
- ☒ An additional claim fee is required, and is calculated as shown below:

AMENDED CLAIMS					
	NO. OF CLAIMS	HIGHEST NO. OF CLAIMS PREVIOUSLY PAID FOR	EXTRA CLAIMS	RATE	ADDT'L FEE
Total Claims	23	MINUS 22 =	1	<input checked="" type="checkbox"/> \$18.00 (103) =	18.00
Independent Claims	2	MINUS 3 =	0	<input checked="" type="checkbox"/> \$84.00 (102) =	-0-
If Amendment adds multiple dependent claims, add \$280.00 (104)					
Total Amendment Fee					18.00
If small entity status is claimed, subtract 50% of Total Amendment Fee					
<b>TOTAL ADDITIONAL FEE DUE FOR THIS AMENDMENT</b>					<b>18.00</b>

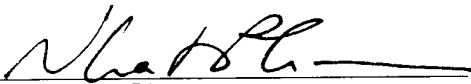
☒ A claim fee in the amount of \$ 18.00 is enclosed.

☐ Charge \$\_\_\_\_\_ to Deposit Account No. 02-4800.

The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17, 1.20(d) and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

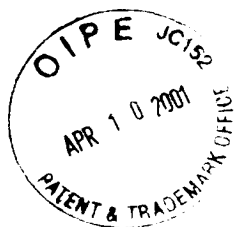
Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

By:   
Nhat D. Phan  
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Alexandria, VA 22313-1404  
703/836-6620

Date: April 10, 2002



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**SECOND REPLY AND AMENDMENT**

Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

In response to the final Official Action dated September 25, 2001, Applicants  
submit the following amendment and remarks.

**IN THE CLAIMS:**

Please add new claim 23 as follows:

23. (New) A process for treating the reaction mixture resulting from the direct  
oxidation of cyclohexane to adipic acid with molecular oxygen in an organic solvent in the  
presence of a catalyst, said process comprising:

(a) separating the reaction mixture into two liquid phases by settling to form an  
upper phase comprising cyclohexane, and a lower phase comprising an organic solvent,  
diacids formed during the oxidation reaction, a catalyst and a portion of other reaction  
products and unconverted cyclohexane;